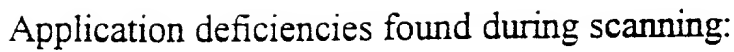


Parameter	Value	Unit
Initial concentration of H_2O_2	0.01	M
Initial concentration of Fe^{2+}	0.001	M
Initial concentration of H^+	0.1	M
Temperature	25	$^\circ\text{C}$
Reaction time	0-10	min
Reaction rate	0.001	M min^{-1}
Reaction order	1	
Reaction mechanism	Free radical chain reaction	
Reaction products	Fe^{3+} , H_2O , H_2O_2	
Reaction conditions	Dark, sealed, stirred	
Reaction medium	Aqueous solution	
Reaction vessel	100 mL beaker	
Reaction setup	Stirrer, thermometer, pH meter	
Reaction analysis	Titrimetric, spectrophotometric	
Reaction results	Reaction rate increases with Fe^{2+} concentration	
Reaction conclusion	Fe^{2+} acts as a catalyst in the decomposition of H_2O_2	



☐ *Scanned copy is best available.*